

Kansas Environmental Conference

Bureau of Air Updates

Rick Brunetti, Director

Bureau of Air

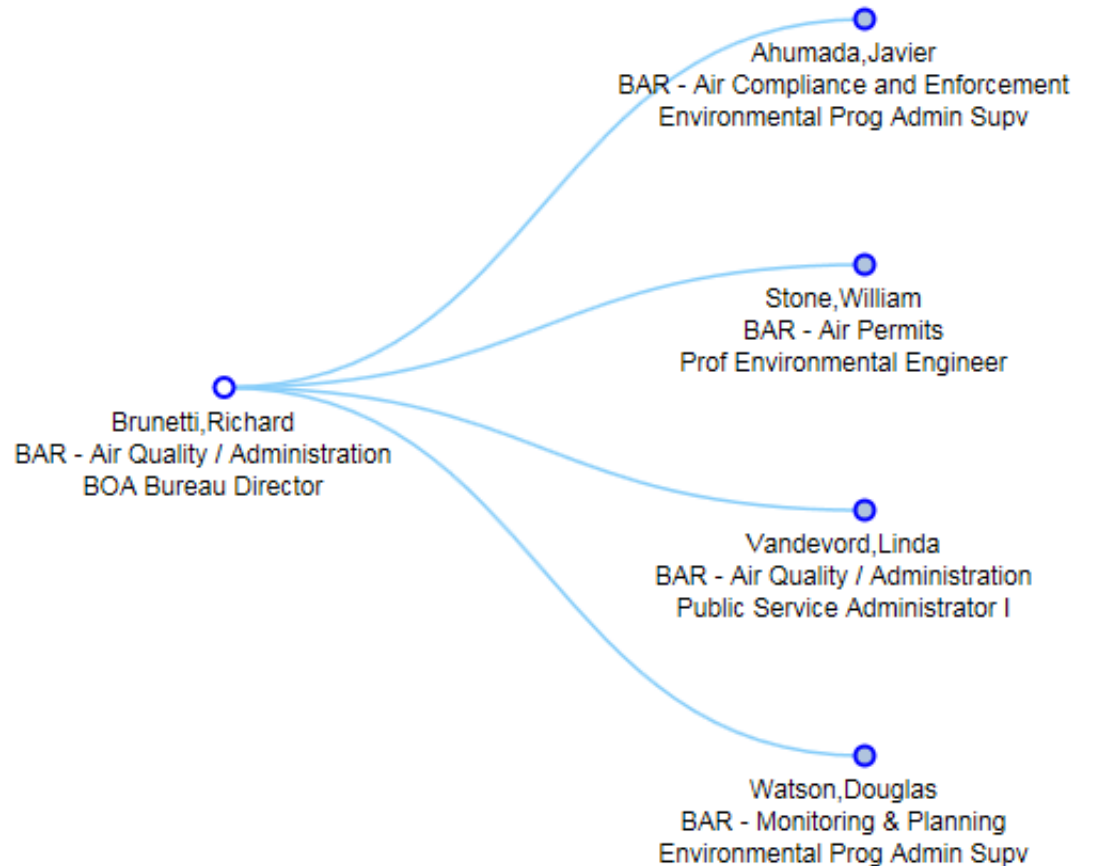
Kansas Department of Health and Environment

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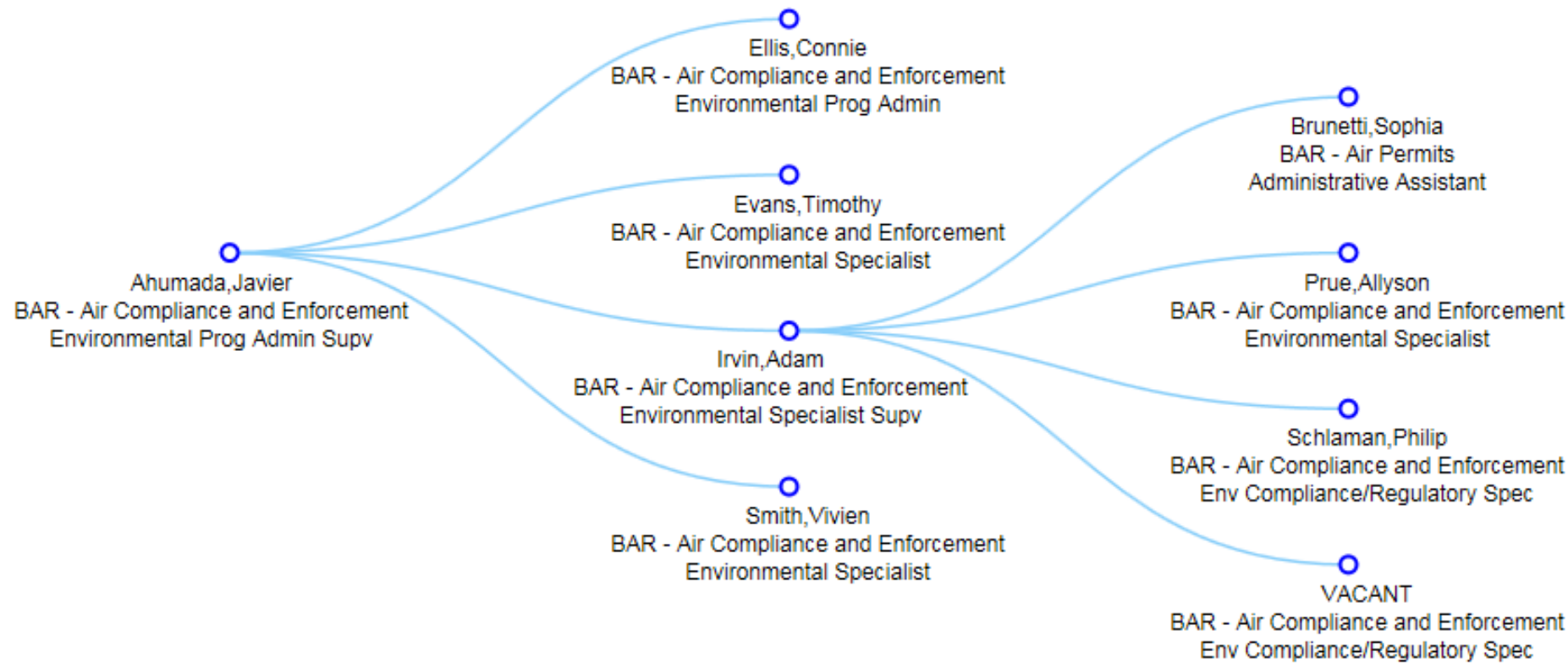


Personnel Changes Over the Past Year

- Bureau Experienced a Number of Retirements
- New Section Chiefs are Currently in Place
- Each Section Chief has Structured their Unit to Best Serve the Regulated Facilities



Air Compliance and Enforcement



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Compliance Inspections



- 1585 Compliance Inspections Conducted
 - Inspections are Conducted by District Office Personnel
 - Inspections Found 53 Violations
 - 97% Compliance Rate by Regulated Sources

KDHE District Offices and Local Agency Air Programs

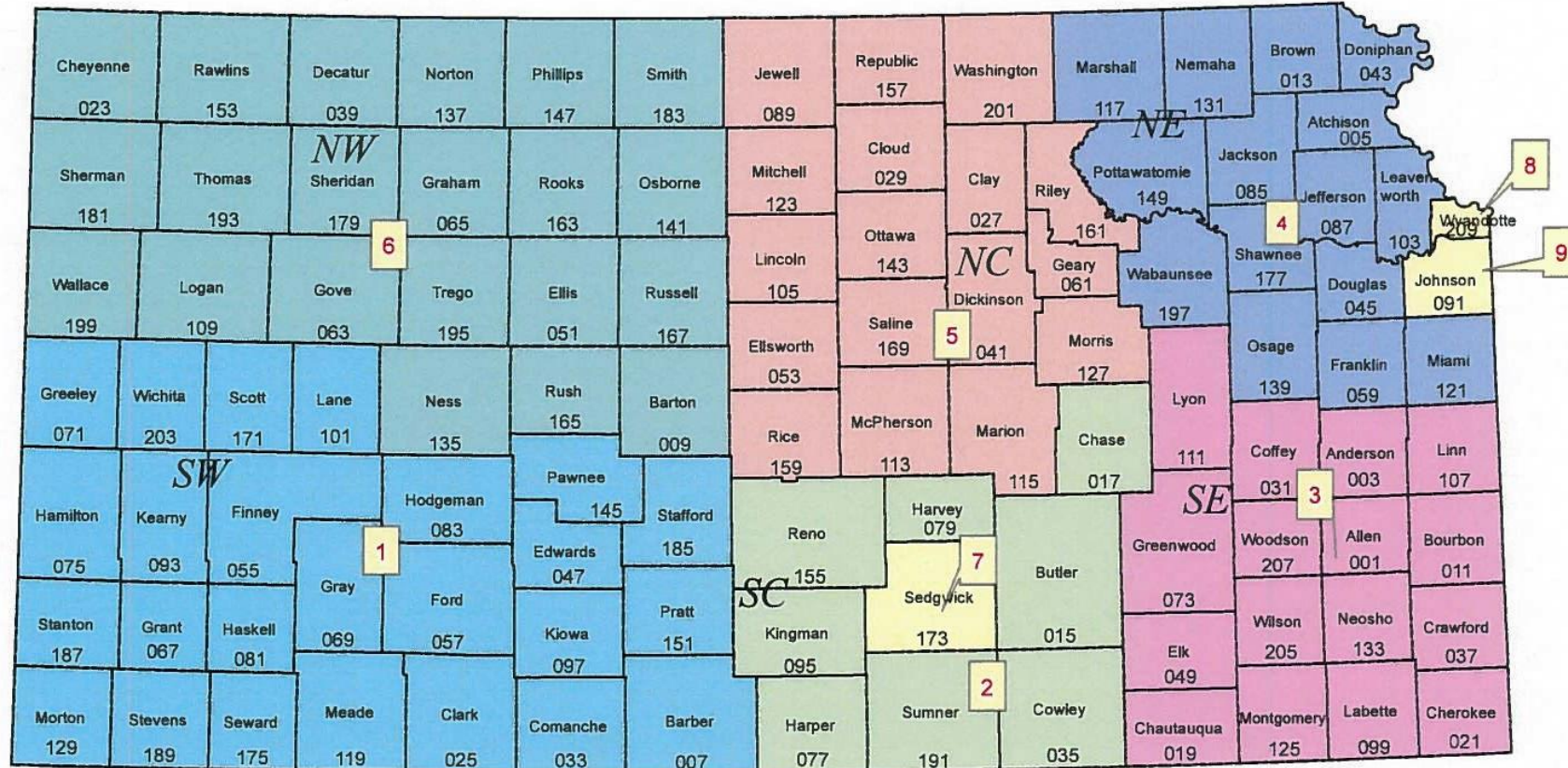
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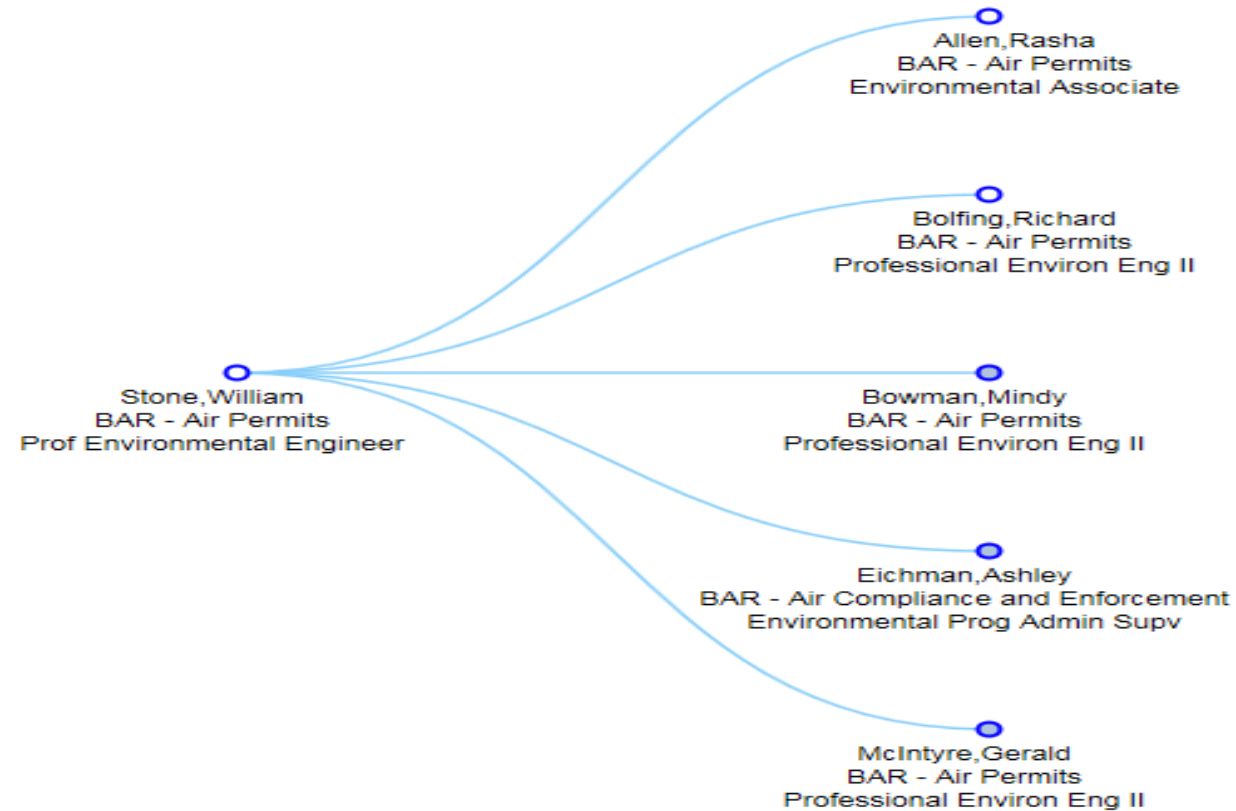
2 David Butler
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Volkswagen Settlement

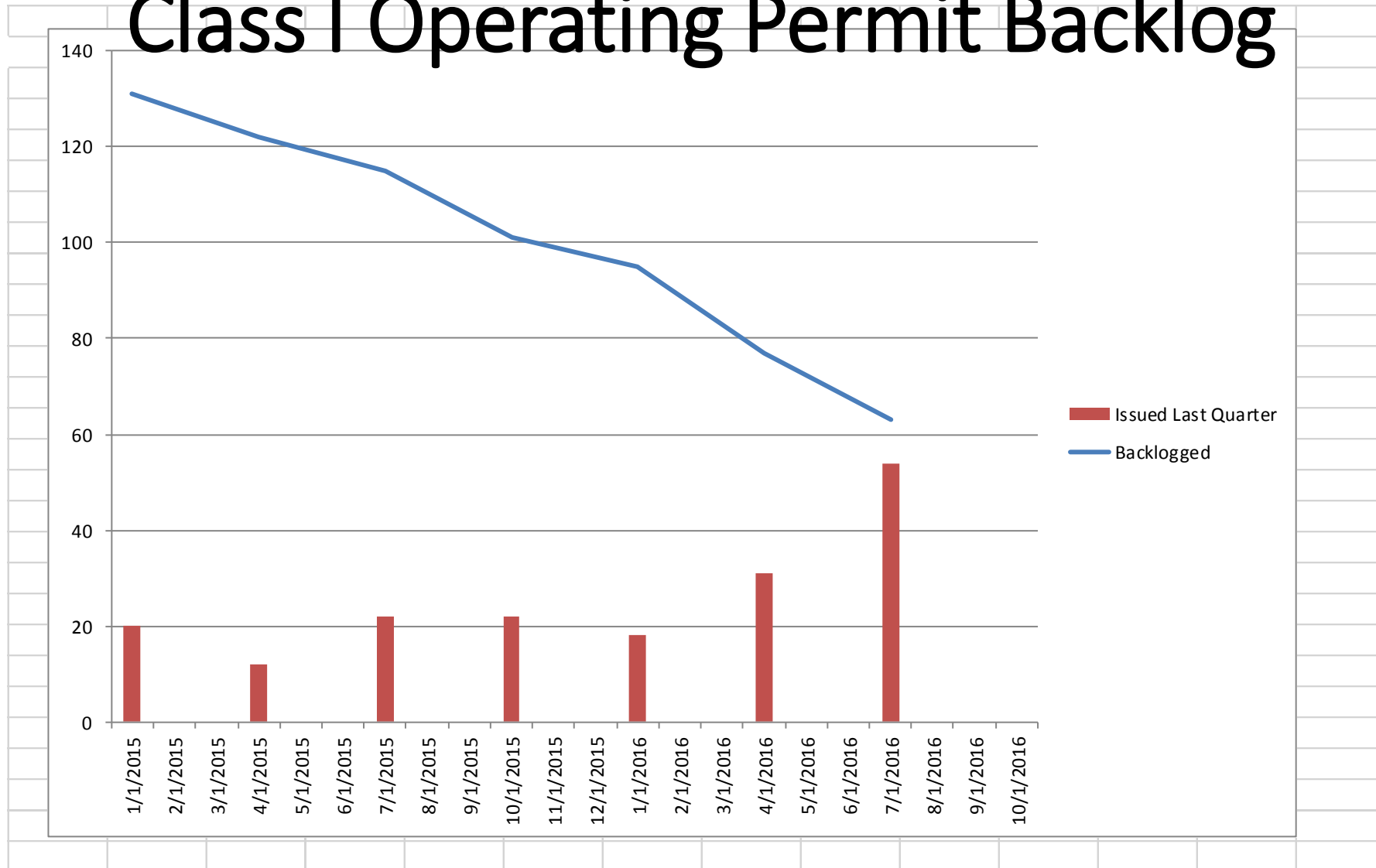
- Partial consent agreement June 28, 2016
- Total fine of approximately \$14.7 Billion
- Allocation of \$2.7 Billion to States to provide projects for pollution reduction.
- Kansas' initial allocation is approximately \$14.8 Million.
- EPA website has extensive information on settlement

Permitting Section



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Class I Operating Permit Backlog



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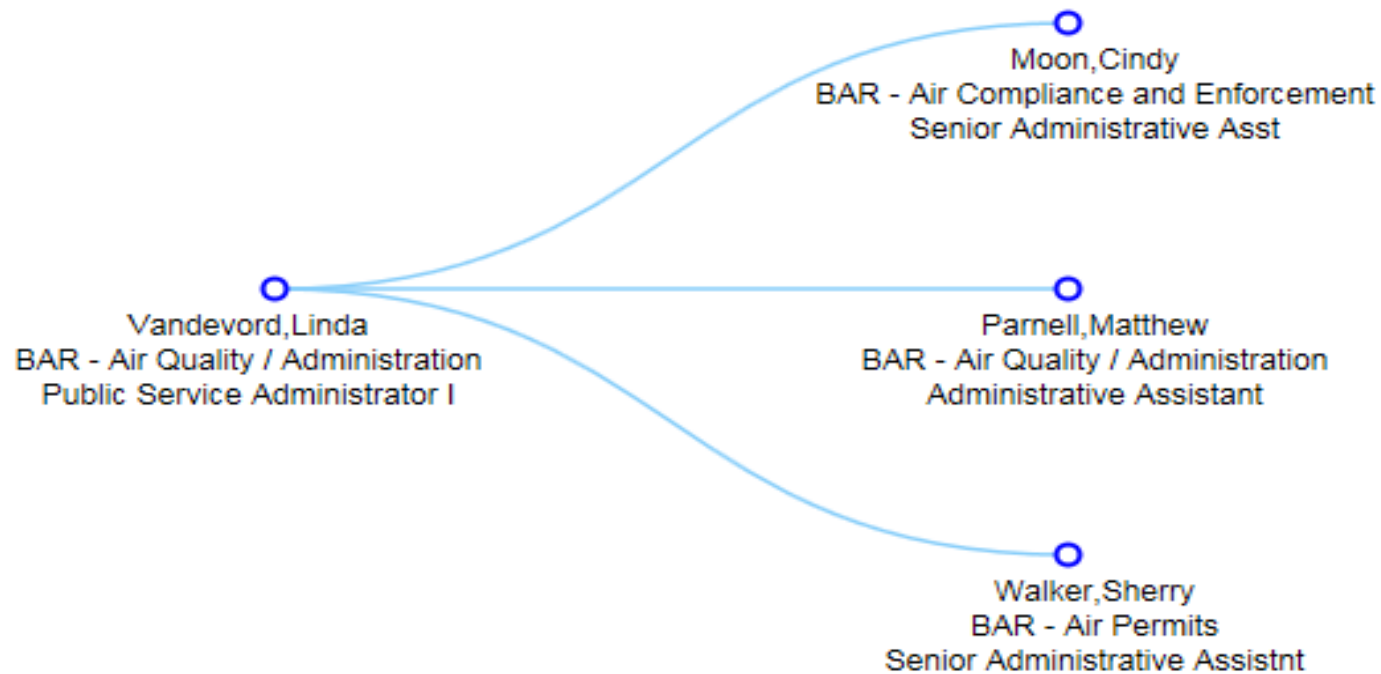
Permits Issued in SFY 2016

- 388 Total Construction Permits
- 128 Operating Permits
- 2 PSD Permits
- 3 PSD Permit Revisions



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Administrative Unit



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Administrative Unit - Duties

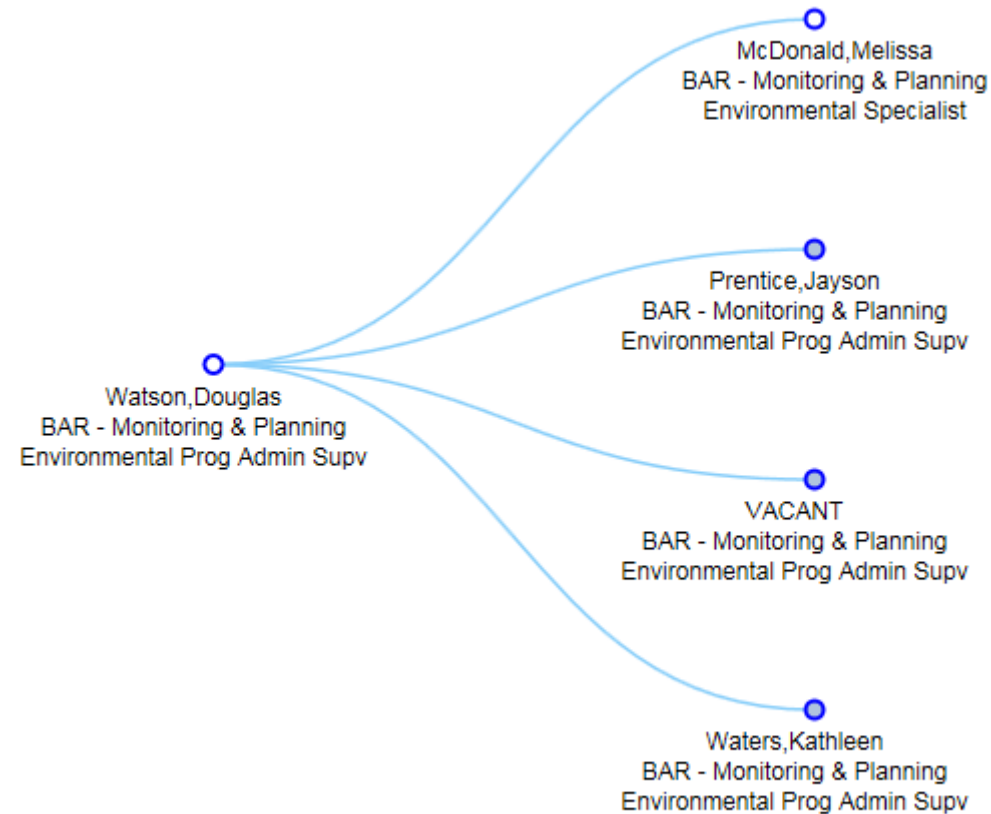
- Handle all aspects of finalization of documents for the Bureau
- Handle contact to ensure Public Notices are made correctly
- Responsible for other Bureau activities
 - Handling travel requests
 - Offering technical assistance
- Responsible for the scanning and indexing of all documentation for the Bureau

Digital Documents



- Facilities can request documents in digital form
- Helpful for KORA requests
- Reduced the amount of space needed for the storage of paper documents
- Any employee can search and find the document or documents needed

Monitoring and Planning Section



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Greenhouse Gas Rules (111d)

SENATE BILL No. 318

AN ACT concerning utilities; relating to state entities; concerning the Kansas electric transmission authority; abolishing certain funds and transferring the balances; concerning the department of health and environment and the state corporation commission, agency activities; amending K.S.A. 2015 Supp. 45-229 and 65-3031 and repealing the existing sections; also repealing K.S.A. 2015 Supp. 74-99d01, 74-99d02, 74-99d03, 74-99d04, 74-99d05, 74-99d06, 74-99d07, 74-99d08, 74-99d10, 74-99d11, 74-99d12, 74-99d13 and 74-99d14.

Be it enacted by the Legislature of the State of Kansas:

New Section 1. On the effective date of this act, the director of accounts and reports shall transfer \$45,000 from the KETA administrative fund of the state corporation commission to the state general fund and transfer all remaining moneys in the KETA administrative fund and the KETA development fund of the state corporation commission to the public service regulation fund of the state corporation commission. On the effective date of this act, all liabilities of the KETA administrative fund and the KETA development fund of the state corporation commission are hereby transferred to and imposed on the public service regulation fund of the state corporation commission and the KETA administrative fund and the KETA development fund are hereby abolished.

Sec. 2. K.S.A. 2015 Supp. 45-229 is hereby amended to read as follows: 45-229. (a) It is the intent of the legislature that exceptions to disclosure under the open records act shall be created or maintained only if:

(1) The public record is of a sensitive or personal nature concerning individuals.

- Rules were stayed by United States Supreme Court
- Many States continue to work using the 111d model to reduce GHG's
- Kansas legislature passed and the Governor signed Senate Bill No. 318 to give direction to State agencies in the implementation of 111d

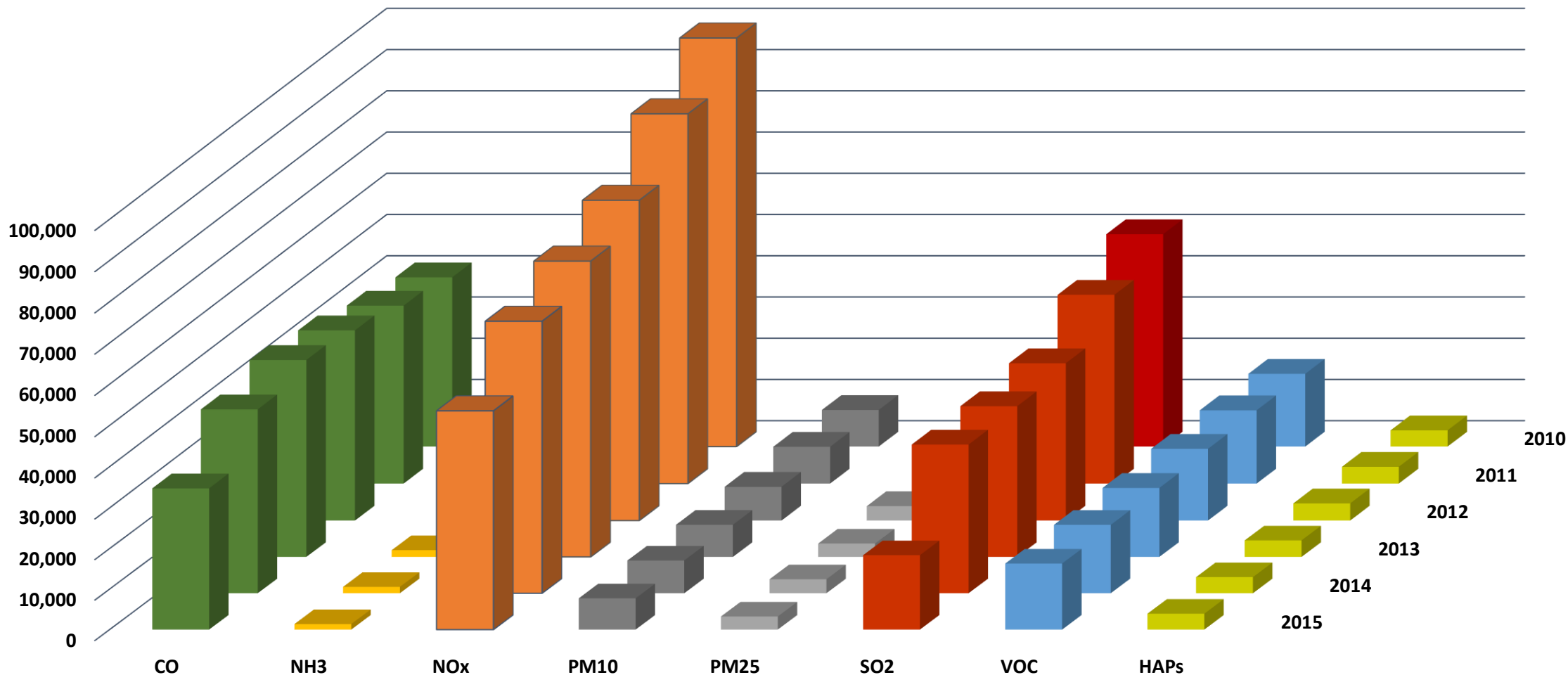
Emission Inventory

Why do we do emission inventories

- Track both point source and nonpoint source emissions
- Able to get trends in pollutants
- Differences in weather will make difference in the point source emissions
- Utilize for modeling activities
- Submit Kansas EI to EPA and ultimately they will generate a National Emission Inventory (NEI)



Kansas Point Source Air Emissions (in tons) for Years 2010-2015



Source: Kansas Emission Inventory

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Emission Fees

Kansas Emission Fee History

- 1993 \$18/Ton
- 1994 \$20/Ton
- 1995-1996 \$15/Ton
- 1997-2000 \$13/Ton
- 2001-2002 \$20/Ton
- 2003-2009 \$25/Ton
- 2010-Present \$37/Ton

Other States Fees

Iowa	\$67.50/Ton
Missouri	\$48/Ton
Oklahoma	\$32.30/Ton
Nebraska	\$71/Ton
Colorado	\$22.90/Ton
Colorado HAP's	\$152.90/Ton

On-Line Emission Inventory Submittal

- In 2015 KDHE introduced SLEIS for on-line emission inventory submittal
- In 2015 199 out of 301 major sources submitted inventory on-line
- In 2016 210 out of 289 major sources submitted inventory on-line
- We want to encourage all sources to submit their inventories on-line
- Currently preparing to become compliant with CROMERR to receive funds via on-line

2016 Kansas Air Monitoring Sites



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Village Green Site – Kansas City, KS



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2016 Kansas Air Monitoring Sites



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Current NAAQS Compliance

- All areas of Kansas are in compliance with the exception of a small portion in Saline County that is currently in noncompliance for lead.
 - If three month averages for the Salina monitor continue to be $<0.150 \mu\text{g}/\text{m}^3$ through October of 2016 the area will return to compliance.

2014			
Mont hly Avg ug/m 3		Rolling 3 Month Avg ug/m3	
Jan	0.055	Jan-Mar	0.074
Feb	0.023	Feb-Apr	0.126
Mar	0.144	Mar-May	0.143
Apr	0.211	Apr-Jun	0.152
May	0.074	May-Jul	0.105
Jun	0.170	Jun-Aug	0.148
Jul	0.072	Jul-Sep	0.134
Aug	0.201	Aug-Oct	0.123
Sep	0.130	Sep-Nov	0.078
Oct	0.037	Oct-Dec	0.070
Nov	0.068	Nov-Jan	0.063
Dec	0.106	Dec-Feb	0.047

2015			
Mont hly Avg ug/m 3		Rolling 3 Month Avg ug/m3	
Jan	0.015	Jan-Mar	0.026
Feb	0.019	Feb-Apr	0.038
Mar	0.043	Mar-May	0.069
Apr	0.053	Apr-Jun	0.070
May	0.111	May-Jul	0.076
Jun	0.045	Jun-Aug	0.083
Jul	0.073	Jul-Sep	0.109
Aug	0.131	Aug-Oct	0.089
Sep	0.122	Sep-Nov	0.090
Oct	0.013	Oct-Dec	0.057
Nov	0.136	Nov-Jan	0.065
Dec	0.024	Dec-Feb	0.032

2016			
Month ly Avg ug/m3		Rolling 3 Month Avg ug/m3	
Jan	0.036	Jan-Mar	0.064
Feb	0.036	Feb-Apr	0.105
Mar	0.121	Mar-May	0.121
Apr	0.159	Apr-Jun	
May	0.083	May-Jul	
Jun		Jun-Aug	
Jul		Jul-Sep	
Aug		Aug-Oct	
Sep		Sep-Nov	
Oct		Oct-Dec	
Nov		Nov-Jan	
Dec		Dec-Feb	

Photochemical Assessment Monitoring (PAMS)

- 1990 Clean Air Act Amendments required enhanced monitoring of ozone, NOx, and volatile organic compounds(VOC's)
- Kansas City metro will be required to add PAMS monitoring capability
- Allows for the enhanced aid of VOC and NOx emission inventories
- Will allow for an improved database to try and solve ozone problems

Current PAMS Monitoring Sites



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Flint Hills



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2016 Flint Hills Burn Season

- 2.7 Million acres burned
 - Approximately 0.5 Million over the average year
 - Average: 2.1 Million Acres
 2.3 Million Acres without drought years
- Smoke resulted in ozone violations in Wichita and Chanute
- Smoke resulted in PM_{2.5} violations in Omaha and Lincoln, NE
- Meeting with ranchers and adjoining States

Lincoln, Nebraska

April 13, 2016



Photo Credit: Gwyneth Roberts, Lincoln Journal Star Newspaper

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Questions?



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